



United States Department of Agriculture
Natural Resources Conservation Service

2013 Ranking Period 1

Plant Enhancement Activity—KS-PLT20

High residue cover crop or mixtures of high residue cover crops for weed suppression and soil health

Kansas Criteria for National Plant Enhancement Activity—PLT20

When developing a cover crop mix, select two or more plant species from the following:

Cover Crops <u>1/ 2/</u>	Cover Crop Seeding Rates Drilled <u>3/</u>
Barley (WA)	85 lbs/ac
Oats (A)	100 lbs/ac
Rye (WA)	85 lbs/ac
Sorghum-sudangrass hybrids (A)	35 lbs/ac
Triticale (WA)	90 lbs/ac
Wheat (WA)	90 lbs/ac
Mustards (WA)	8 lbs/ac
Annual ryegrass (WA)	15 lbs/ac
Buckwheat (A)	60 lbs/ac
Cowpeas (A)	50 lbs/ac
Crimson clover (WA)	17 lbs/ac
Hairy vetch (WA)	17 lbs/ac
Common Vetch (WA)	17 lbs/ac
Alsike clover (B)	8 lbs/ac
Red clover (B)	8 lbs/ac
White clover (P)	6 lbs/ac
Sweetclovers (B)	10 lbs/ac
Subterranean clover (WA)	15 lbs/ac
Woollypod vetch (WA)	20 lbs/ac
Forage radish (WA)	10 lbs/ac
Sunn hemp (A)	30 lbs/ac
Lespedeza (WA)	35 lbs/ac
Austrian winter pea (WA)	30 lbs/ac
Chick peas (WA)	100 lbs/ac
Mung bean (A)	15 lbs/ac
Oil seed radish (WA)	10 lbs/ac
Lentils (WA)	15 lbs/ac
Ethiopian cabbage (WA)	5 lbs/ac
Dwarf essex rape (WA)	7 lbs/ac
Canola (WA)	2 lbs/ac
Pearl millet (A)	15 lbs/ac

Sunflower (A)	4 lbs/ac
Soybean (A)	45 lbs/ac
Turnip (WA)	10 lbs/ac

Refer to Conservation Practice 340, Cover Crop, when selecting the cover crop species so the performance and roles are compatible. Use the following example to determine the actual amounts of each cover crop species contained within the mix to be seeded on a per acre basis. Cover crops may not be harvested.

Cover Crops <u>1/</u> <u>2/</u>	Cover Crop Seeding Rates Drilled <u>3/</u>	Percent of Cover Crop Mix	Cover Crop Mix
Sorghum-sudangrass hybrids (A)	35 lbs/ac	40%	14 lb/ac
Cowpeas (A)	50 lbs/ac	30%	15 lbs/ac
Pearl millet (A)	15 lbs/ac	30%	4.5 lbs/ac
		Total 100%	33.5 lbs/ac

Top dress rate should not exceed 20 lbs/ac nitrogen.

1/ Cover crops are to be established early enough in a growing season to provide adequate cover. Winter annual (WA) grasses will be seeded by October 15. Annual (A) grasses, legumes, and forbs will be seeded by July 31. Winter annual (WA), biennial (B), and perennial (P) legumes and forbs will be seeded no later than September 25. Dates may be adjusted up to 2 weeks by local technicians as necessary to address local moisture and heat unit concerns.

2/ Planted legumes must be inoculated for adequate nitrogen fixation. Follow the recommendations of seed dealers.

3/ Increase the seeding rate by at least 25% if broadcasting the seed in lieu of planting with a drill. Small-seeded species (<20 pounds [lbs] per acre[ac]) will be increased by 50% when seeded by broadcast methods.